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THIS IS UNEVALUATED INFORMATION

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1. Dr. Schuenemann (fnu), deputy chief of Department II of the Heinrich-Hertz Institute, has made plans to set up three field stations for the observation of the propagation of ultra-short waves in the troposphere. The stations are scheduled to be located on a straight line from Adlershof to Fuenfkirchen near Fuerstenberg via the Mueggelberge Hills and Lindenberg. In November 1953, Department II was subdivided into three study groups. Study group I worked on the troposphere and was headed by Dr. Schuenemann; study group II worked on the ionosphere and was headed by Dipl. Ing. Dittmar (fnu); and study group III was engaged in solar research work and was headed by Dipl. Ing. Fuerstenberg (fnu).¹
2. The measurements to determine solar noises were made by the department headed by Dr. Helmut Jung who cooperated with Prof. Dr. Richard Schaefer. The workshops of the Heinrich-Hertz Institute and two firms at Adlershof were engaged in manufacturing the equipment required for this type of research work. Herr Schmidt (fnu) developed two prototypes of the intermediate frequency-stage designed for 60 m.c.s.; Herr Farnick (fnu), in conjunction with the radio engineering plant at Koepenick, developed two prototypes of the oscillator unit designed for 3 to 3.2 cm and fitted with a 723 klystron. It was planned to utilize antenna reflectors 4 meters and 12 meters in diameter for wave lengths of 20 and 3.2 cm respectively. The 4-meter reflector was scheduled to be used for solar measurements on Gotland Island. Because of a shortage of foreign currency these measurements were to be shifted to Ruegen Island. In late March 1954, Professor Otto Hachenberg explored a suitable point for the solar measurements on Ruegen Island. There seemed to be little possibility of the necessary installations being completed on schedule.
3. Prior to March 1954, no results of research work conducted in the USSR or the satellite states had been made available to the Heinrich-Hertz Institute. From scientific publications from the satellite states it was inferred that the results of German research work had been transmitted to the satellite states by the USSR.

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Annex

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Scientific personnel of Department II of the Heinrich-Hertz
Institute.

Status of October 1953.

1. Deputy departmental chiefs: Dr. Schuchman, an efficient and capable scientist, the driving force of the department.
2. Departmental leader: Prof. Dr. Richard Schacheneier; Schacheneier also holds a chair at the Charlottenburg Institute of Technology.

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3. Dipl. Ing. Dittmar (fnu), previously deputy departmental chief; a good organizer.
4. Herr Lange (fnu), an industrious and ambitious man, who returned from the USSR in 1948 and was employed at the institute on recommendation by Professors Dieminger, Grotian and Leithaeuser. Herr Lange compiled the reports on the research work on the ionosphere.
5. Dipl. Ing. Vollant (fnu), a young and promising scientist, who did research work on the troposphere.
6. Dr. Huster, a man who intended to retire shortly; he left all work to Lange.

7. Dipl. Ing. Fuerstenberg, [redacted]
Fuerstenberg worked for Professor Otto Hachenberg.

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Engineers who have not acquired university degrees and who were assigned to Department II included:

Hueber, Michel, Brinzler, Steffen, Biehals and Greif. Huebner and Mantey worked on the construction of an ionosphere transmitter. Stadmann, Tomys and Koter were employed on the construction of measurement equipment for research work on the troposphere.

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